

**ARTIFICIAL INTELLIGENCE**  
**VOLUME 112, NUMBERS 1-2, AUGUST 1999**

---

**Abstracted/indexed in:** ACM Computing Reviews, Applied Science and Technology Abstracts, Applied Science and Technology Index, CAD/CAM Abstracts, Cambridge Scientific Abstracts, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Current Contents: Social & Behavioral Sciences, Engineering Index/Compendex, Information Science Abstracts, INSPEC Information Services, Mathematical Reviews, Science Citation Index, Social Sciences Citation Index, Sociological Abstracts, Zentralblatt für Mathematik

**CONTENTS**

*M.T. Cox and A. Ram*

Introspective multistrategy learning: On the construction of learning strategies 1

*F. Buccafurri, T. Eiter, G. Gottlob and N. Leone*

Enhancing model checking in verification by AI techniques 57

*P. Cholewiński, V.W. Marek, A. Mikitiuk and M. Truszczyński*

Computing with default logic 105

*T. Dar, L. Joskowicz and E. Rivlin*

Understanding mechanical motion: From images to behaviors 147

*R.S. Sutton, D. Precup and S. Singh*

Between MDPs and semi-MDPs: A framework for temporal abstraction in reinforcement learning 181

**Research Notes**

*H.H. Hoos and T. Stützle*

Towards a characterisation of the behaviour of stochastic local search algorithms for SAT 213

*S. Brass, J. Dix and T.C. Przymusinski*

Computation of the semantics of autoepistemic belief theories 233

**Editorial**

*A.G. Cohn and D.R. Perlis*

Three new publication categories for the Artificial Intelligence Journal 251

Call for Papers

253

Forthcoming Papers

257

Author Index—Volume 112 (1999)

263

---

**CONTENTS**  
**direct**

This journal is part of **ContentsDirect**, the **free** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: [www.elsevier.nl/locate/contentsdirect](http://www.elsevier.nl/locate/contentsdirect)

---



0004-3702(199908)112:1-2;1-U